CLAIMS

- 1. A method for enhancing imaging in low light conditions, comprising: acquiring image data relating to a plurality of consecutive images; determining a local motion factor relating to the consecutive images by specifically processing the consecutive images in a predetermined manner in order to obtain an image mask that represents information about local motion; processing the consecutive images, incorporating the image mask, to obtain final usable image information.
- 2. The method of Claim 1, wherein the step of processing the consecutive images in a predetermined manner in order to obtain information about the local motion factor comprising using spatial and temporal filters.
- 3. The method of claim 2, wherein the spatial and the temporal filters are employed on the mask.
- 4. The method of claim 1, wherein the plurality of consecutive images are acquired in different conditions.
- 5. The method of claim 4, wherein the plurality of consecutive images are acquired using different exposure times.
- 6. The method of claim 4, wherein the plurality of consecutive images are acquired using different aperture.
- 7. The method of claim 4, wherein the plurality of consecutive images are acquired using different focusing distance.
- 8. The method of claim 1, carried out in an image domain.
- 9. The method of claim 1, carried out in a compressed image domain.

- 10. The method of claim 9, wherein the compressed image domain is JPEG or MPEG.
- 11. The method of claim 1, wherein before the step of determining a local motion factor the image data undergoes color desaturation.
- 12. A device for enhancing imaging in low light conditions relating to a plurality of consecutive images acquired in low light conditions, comprising:

 a module for determining a local motion factor relating to the consecutive images by specifically processing the consecutive images in a predetermined manner in order to obtain an image mask that represents information about local motion;

 a module for processing the consecutive images, incorporating the image mask, to obtain final usable image information.
- 13. The device of Claim 12, wherein the module for determining local motion factor comprises spatial and temporal filters.
- 14. The device of claim 12, wherein the module for determining local motion factor includes color desaturation.
- 15. A method for enhancing imaging in low light conditions substantially as described in the present specification, accompanying drawings and appeding claims.
- 16. A device for enhancing imaging in low light conditions substantially as described in the present specification, accompanying drawings and appeding claims.